

DATE: 08/08/98 TIME: 15:51:46

INPUT SET: S27964.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

	•	
1	SEQUENCE LIS	TING
2		Does Not Comply
3	(1) General Information:	Corrected Diskette Needed
4	(i) ADDITGAMM, TAMED Horqueli	Corrected Diskette Hoods
5 6	(i) APPLICANT: IMMER, Hansueli FORSSMANN, Wolf-Georg	ann
7	ADERMANN, Knut	Le low
8	KLESSEN, Christian	Thory
9	RLESSEN, CHIISCIAN	
10	(ii) TITLE OF INVENTION: PROCESS AND INTE	RMEDIATE PRODUCTS FOR
11	PREPARING CARDIODILATIN FRAGMENTS AND HIGHLY	
12	FRAGMENTS	
13		
14	(iii) NUMBER OF SEQUENCES: 11	
15	()	
16	(iv) CORRESPONDENCE ADDRESS:	
17	(A) ADDRESSEE: Nikaido, Marmelstein	, Murray & Oram
18	(B) STREET: 655 Fifteenth Street, N	.W., Suite 330
19	(C) CITY: Washington	
20	(D) STATE: D.C.	
21	(E) COUNTRY: USA	
22	(F) ZIP: 20005-4810	
23		
24	(v) COMPUTER READABLE FORM:	
25	(A) MEDIUM TYPE: Floppy disk	
26	(B) COMPUTER: IBM PC compatible	
27	(C) OPERATING SYSTEM: PC-DOS/MS-DOS	
28 29	(D) SOFTWARE: PatentIn Release #1.0	, version #1.30
30	(vi) CURRENT APPLICATION DATA:	
31	(A) APPLICATION NUMBER: US 09/027,7	77
32	(B) FILING DATE: 23-FEB-1998	, ,
33	(C) CLASSIFICATION:	
34	(c) chaptifold	
35	(vii) PRIOR APPLICATION DATA:	
36	(A) APPLICATION NUMBER: DE 44 20 38	1.0
37	(B) FILING DATE: 02-JUN-1994	
38	,	
39	(vii) PRIOR APPLICATION DATA:	
40	(A) APPLICATION NUMBER: DE 195 13 7	84.1
41	(B) FILING DATE: 10-APR-1995	
42		
43	(viii) ATTORNEY/AGENT INFORMATION:	
44	(A) NAME: Kitts, Monica C.	
45	(B) REGISTRATION NUMBER: 36,105	



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INPUT SET: S27964.raw

46 (C) REFERENCE/DOCKET NUMBER: P1614-8019
47
48 (ix) TELECOMMUNICATION INFORMATION:
49 (A) TELEPHONE: (202) 638-5000
50 (B) TELEFAX: (202) 368-4810
51
52

ERRORED SEQUENCES FOLLOW:

	230	(2) INFORMATION FOR SEQ ID NO:7:
	231	
	232	(i) SEQUENCE CHARACTERISTICS:
	233	(A) LENGTH: 12 amino acids
	234	(B) TYPE: amino acid
	235	(C) STRANDEDNESS:
	236	(D) TOPOLOGY: linear
	237	
	238	(ii) MOLECULE TYPE: peptide
	239	
	240	(ix) FEATURE: (A) NAME/KEY: Modified-site flower OTHER INFORMATION (B) LOCATION: 1 OTHER - Place will OTHER INFORMATION (B) Note THEORY ON: (product "Modified by a Free protecting
	241	(ix) FEATURE:
	242	(A) NAME/KEY: Modified-site for all OTHER TWENTERMATION
	243	(B) LOCATION: 1_107/HER - April 1000
>	244	(D) Note INFORMATION: 'product= "Modified by a Fmoc protecting
	245	group and a Pbf protecting group"
	246	
	247	(ix) FEATURE:
	248	(A) NAME/KEY: Modified-site
	249	(B) LOCATION: 3
>	250	(D) Note INFORMATION: /product= "Modified by a OtBu protecting
	251	group"
	252	
	253	(ix) FEATURE:
	254	(A) NAME/KEY: Modified-site
	255	(B) LOCATION: 4
>	256	(D) Note INFORMATION: /product= "Modified by a Pbf protecting
	257	group"
	258	· · · · · · · · · · · · · · ·
	259	(ix) FEATURE:
	260	(A) NAME/KEY: Modified-site
	261	(B) LOCATION: 8
>	262	(D) Note INFORMATION: /product= "Modified by a Trt protecting
-	263	group"
	264	group .
	265	(ix) FEATURE:
	266	(A) NAME/KEY: Modified-site
	267	(B) LOCATION: 9
>	267 268	(D) (Note INFORMATION: /product= "Modified by a tBu protecting
/	269	group"
	207	group



RAW SEQUENCE LISTING PATENT APPLICATION US/09/027,777

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		INPUI SEI: 52/904.raw	
	270		
	271		
	272	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
	273		
	274	Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly	
	275	1 5 10	
	276		
	277	(2) INFORMATION FOR SEQ ID NO:8:	
	278	(2) INFORMATION FOR BEQ ID NO. 0.	
	279	(i) SEQUENCE CHARACTERISTICS:	
	280	(A) LENGTH: 8 amino acids	
	281	(B) TYPE: amino acid	
	282	(C) STRANDEDNESS:	
	283	(D) TOPOLOGY: linear	
	284	(b) foromost. Timear	
	285	(ii) MOLECULE TYPE: peptide What role: Naa can org	
	286	(ii) MOLECULE TYPE: peptide (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 1 (D) Note INFORMATION: Ynote= "Xaa is an Fmoc protecting group or the state of the state of the protecting group or the state of the stat	نب
	287	reverent a proper ormer	
	288	(ix) FEATURE:	, I
	289	(A) NAME/KEY: Modified-site	
	290	(B) LOCATION: I	ho
>	291	(D) Note INFORMATION: Vnote= "Xaa is an Fmoc protecting group or	
-	292	H"	RU
	293		, —
	294	(ix) FEATURE:	
	295	(A) NAME/KEY: Modified-site	
	296	(B) LOCATION: 2	
>	297	(D) Note INFORMATION: /product= "Modified by a Trt protecting	
	298	group"	
	299		
	300	(ix) FEATURE:	
	301	(A) NAME/KEY: Modified-site	
	302	(B) DOCATION: 3	
>	303	(D) Note INFORMATION: /product= "Modified by a Trt protecting	
	304	group"	
	305		
	306	(ix) FEATURE:	
	307	(A) NAME/KEY: Modified-site	
	308	(B) LOCATION: 4	
>	309	(D) Note INFORMATION:)/product= "Modified by a tBu protecting	
	310	group"	
	311		
	312	(ix) FEATURE:	
	313	(A) NAME/KEY: Modified-site	
	314	(B) LOCATION: 6	
>	315	(D) Note INFORMATION: product= "Modified by a Pbf protecting	
	316	group"	
	317		
	318	(ix) FEATURE:	
	319	(A) NAME/KEY: Modified-site	
	320	(B) LOCATION: 7	
>	321	(DY Note INFORMATION: /product= "Modified by a tBu protecting	
-		, and a second of a second of	

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/027,777

DATE: 08/08/98 TIME: 15:51:49

INPUT SET: S27964.raw 322 group" 323 324 (ix) FEATURE: 325 (A) NAME/KEY: Modified-site (B) LOCATION: 8 326 (D) (Note INFORMATION:) /note= "Xaa is/O-OH)or an O-OtBu protecting 327 group" 328 329 330 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8: 331 332 Xaa Cys Asn Ser Phe Arg Tyr 333 334 5 335 336 (2) INFORMATION FOR SEQ ID NO:9: 337 (i) SEQUENCE CHARACTERISTICS: 338 339 (A) LENGTH: 19 amino acids 340 (B) TYPE: amino acid 341 (C) STRANDEDNESS: 342 (D) TOPOLOGY: linear 343 344 (ii) MOLECULE TYPE: peptide 345 346 347 (ix) FEATURE: 348 (A) NAME/KEY: Modified-site 349 (B) LOCATION: 1 350 (D) Note INFORMATION: /note= "Xaa is H or an Fmoc protecting gr6up" 351 352 (ix) FEATURE: 353 354 (A) NAME/KEY: Modified-site 355 (B) LQCATION: 2 (D(Note INFORMATION: /product= "Modified by a Pbf protecting 356 357 group" 358 (ix) FEATURE: 359 360 (A) NAME/KEY: Modified-site 361 (B) LOCATION: 4 (D Note INFORMATION) /product= "Modified by a OtBu protecting 362 363 group" 364 365 (ix) FEATURE: 366 (A) NAME/KEY: Modified-site (B) LOCATION:-5 367 (D)(Note INFORMATION:) /product= "Modified by a Pbf protecting 368 369 group" 370 (ix) FEATURE: 371 (A) NAME/KEY: Modified-site 372 373 (B) LOCATION: 9

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/027,777

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		INPUT SET: S27964.raw
>	374	(D) Note INFORMATION: /product= "Modified by a Trt protecting
-	375	group"
	376	y-v-p
	377	(ix) FEATURE:
	378	(A) NAME/KEY: Modified-site
	379	(B) LOGATION: 10
>	380	(D) (Note INFORMATION): /product= "Modified by a tBu protecting
	381	group"
	382	
	383	(ix) FEATURE:
	384	(A) NAME/KEY: Modified-site
	385	(B) LOCATION: 14
>	386	(D) (Note INFORMATION: /product= "Modified by a Trt protecting
	387	group"
	388	
	389	(ix) FEATURE:
	390	(A) NAME/KEY: Modified-site
	391	(B) LOCATION: 15
>	392	(D) (Note INFORMATION) /product= "Modified by a Trt protecting
	393	group"
	394	
	395	(ix) FEATURE:
	396	(A) NAME/KEY: Modified-site
	397	(B) LOCATION: 16
>	398	(D) Note INFORMATION:)/product= "Modified by a tBu protecting
	399	group"
	400	/ima promupe.
	401 402	(ix) FEATURE:
	402	(A) NAME/KEY: Modified-site (B) LOCATION: 18
>	404	(D) Note INFORMATION: /product= "Modified by a Pbf protecting
/	405	group"
	406	group
	407	(ix) FEATURE:
	408	(A) NAME/KEY: Modified-site
	409	(B) LOCATION: 19
>	410	(D) Note INFORMATION: /product= "Modified by a tBu protecting
	411	group and an OtBu protecting group"
	412	
	413	
	414	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
	415	
	416	Xaa Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser
	417	1 5 10 15
	418	
	419	Phe Arg Tyr
	420	
	421	
	422	(2) INFORMATION FOR SEQ ID NO:10:
	423	
	424	(i) SEQUENCE CHARACTERISTICS:
	425	(A) LENGTH: 32 amino acids

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			INPUT SET: S27964.raw
	426	(B) TYPE: amino acid	
	427	(C) STRANDEDNESS:	
	428	(D) TOPOLOGY: linear	
	429		
	430	(ii) MOLECULE TYPE: peptide	
	431		
	432		
	433	(ix) FEATURE:	
	434	(A) NAME/KEY: Modified-site	
	435	(B) LOCATION: 1	
>	436	(D) Note INFORMATION: /product= "Modifie	d by a Boc protecting
	437	group and a tBu protecting group"	
	438		
	439	41) 504	
	440	(ix) FEATURE:	
	441	(A) NAME/KEY: Modified-site	
	442	(B) LOCATION: 4	d bu a Dhf mastasting
>	443	(D) Note INFORMATION: /product= "Modifie	d by a PDI protecting
	444 445	group"	
	446	(ix) FEATURE:	
	447	(A) NAME/KEY: Modified-site	
	448	(B) LOCATION: 5	
>	449	(D) Note INFORMATION: /product= "Modifie	d by a tBu protecting
	450	group"	a by a see proceeding
	451	5 <u>-</u>	
	452	(ix) FEATURE:	
	453	(A) NAME/KEY: Modified-site	
	454	(B) LOCATION: 7	
 >	455	(D) (Note INFORMATION: /product= "Modifie	d by a Pbf protecting
	456	group"	
	457		
	458	(ix) FEATURE:	
	459	(A) NAME/KEY: Modified-site	
	460	(B) LOCATION: 8	3.1 -1.0
>	461	(D) Note INFORMATION: /product= "Modifie	d by a Pbf protecting
	462	group"	
	463	/ i \ TERMITE.	
	464 465	<pre>(ix) FEATURE: (A) NAME/KEY: Modified-site</pre>	
	466	(B) LOCATION: 9	
>	467	(D) Note INFORMATION: /product= "Modifie	d by a Ru protecting
	468	group"	a by a ba protecting
	469	group	
	470	(ix) FEATURE:	
	471	(A) NAME/KEY: Modified-site	
	472	(B) LOCATION: 10	
>	473	(D) Note INFORMATION: /product= "Modifie	d by a tBu protecting
	474	group"	
	475		
	476	(ix) FEATURE:	
	477	(A) NAME/KEY: Modified-site	
	478	(B) LOCATION: 11	

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			INPUT SET: S27964.raw
>	479		(D) (Note INFORMATION: /product= "Modified by a Acm pr tecting
	480	group"	
	481	3F	
	482	(ix)	FEATURE:
	483	(/	(A) NAME/KEY: Modified-site
	484		(B) LOCATION: 15
>	485		(D) Note INFORMATION: /product= "Modified by a Pbf protecting
	486	group"	
	487	<i>3</i>	
	488	(ix)	FEATURE:
	489		(A) NAME/KEY: Modified-site
	490		(B) LOCATION: 17
>	491		(D) (Note INFORMATION: //product= "Modified by a OtBu protecting
	492	group"	
	493		
	494	(ix)	FEATURE:
	495		(A) NAME/KEY: Modified-site
	496		(B) LOGATION: 18
>	497		(D) (Note INFORMATION: /product= "Modified by a Pbf protecting
	498	group"	
	499		
	500	(1X)	FEATURE:
	501		(A) NAME/KEY: Modified-site
	502 503		(B) LOCATION: 22 (D) Note INFORMATION: /product= "Modified by a Trt protecting
>	504	group"	(D) Note information, product - modified by a fit protecting
	505	group	
	506	/iv)	FEATURE:
	507	(17)	(A) NAME/KEY: Modified-site
	508		(B) LOCATION: 23
>	509		(D) Note INFORMATION: /product= "Modified by a tBu protecting
	510	group"	
	511	5 .	
	512	(ix)	FEATURE:
	513		(A) NAME/KEY: Modified-site
	514		(B) LOCATION: 27
>	515		(D) (Note INFORMATION: /product= "Modified by a Trt protecting
	516	group"	
	517		
	518	(lx)	FEATURE:
	519		(A) NAME/KEY: Modified-site
	520		(B) LOCATION: 28 (D) Note INFORMATION: /product= "Modified by a Trt protecting
>	521 522	group"	(b) Note information: /product= "modified by a fit protecting
	523	group.	
	524	/iv\	FEATURE:
	525	(14)	(A) NAME/KEY: Modified-site
	526		(B) bocation: 29
>	527		(D) Note INFORMATION: /product= "Modified by a tBu protecting
-	528	group"	the same of the sa
	529	3F	
	530	(ix)	FEATURE:
	531	•	(A) NAME/KEY: Modified-site

8

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/027,777

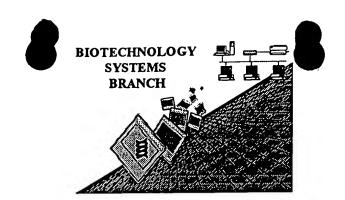
DATE: 08/08/98 TIME: 15:51:53

		INPUT SET: 52/904.raw
	532	(B) LOCATION: 31
~->	533	(D) N te INFORMATION: product= "Modified by a Pbf pr tecting
	534	group"
	535	
	536	(ix) FEATURE:
	537	(A) NAME/KEY: Modified-site
	538	(B) LOCATION: 32
>	539	(D) Note INFORMATION: /product= "Modified by a tBu protecting
	540	group and an OtBu protecting group"
	541	group and an other protecting group
	542	
	543	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
		(AI) SEQUENCE DESCRIPTION. SEQ ID NO. 10.
	544	The ble Dee bee dee too bee bee dee dee dee Dhe dle dle bee Vet
	545	Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met
	546	1 10 % 15
	547	
	548	Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
	549	20 25 30
	550	
	551	
	552	(2) INFORMATION FOR SEQ ID NO:11:
	553	
	554	(i) SEQUENCE CHARACTERISTICS:
	555	(A) LENGTH: 32 amino acids
	556	(B) TYPE: amino acid
	557	(C) STRANDEDNESS:
	558	(D) TOPOLOGY: linear
	559	
	560	(ii) MOLECULE TYPE: peptide
	561	
	562	
٠.	563	(ix) FEATURE:
	564	(A) NAME/KEY: Modified-site
	565	(B) LOCATION: 11
>	566	(D) Note INFORMATION; /product= "Modified by a Acm protecting
	567	group"
	568	
	569	
	570	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
	571	
	572	Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met
	573	1 5 10 15
	574	•
	575	Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Thr
	576	20 25 30
	577	
	578	



DATE: 08/08/98 TIME: 15:51:56

Line	Error	Original Text
244	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
250	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
256	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
262	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
268	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
291	Unknown or Misplaced Identifier	(D) Note INFORMATION: /note=
297	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
303	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
309	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
315	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
321	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
327	Unknown or Misplaced Identifier	(D) Note INFORMATION: /note=
350	Unknown or Misplaced Identifier	(D) Note INFORMATION: /note=
356	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
362	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
368	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
374	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
380	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
386	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
392	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
398	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
404	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
410	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
436	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
443	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
449	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
455	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
461	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
467	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
473	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
479	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
485	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
491	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
497	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
503	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
509	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
515	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
521	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
527	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
533	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
539	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =
566	Unknown or Misplaced Identifier	(D) Note INFORMATION: /product =



Notice of Availability of Checker Program

Applicant Aid for Biotechnology Computer Readable Form (CRF)
Sequence Listing Submissions

The Patent and Trademark Office (PTO) has developed a computer program, called Checker, that will aid applicants in identifying and correcting errors prior to making submissions for compliance with the Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (Sequence Rules: 37CRF 1.821 through 1.825). Final rules were published in the Federal Register (55 FR18230) on May 1, 1990, and in the PTO Official Gazette (1114 Off.Gaz.PatOffice 29) on May 15, 1990.

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- Dial-up access through the Internet. Location is ftp://ftp.uspto.gov
 The software is in current directory: pub/checker/
 Download all the files. Cost: Free-of-charge
- 3) For diskette copies, mail to: U.S.P.T.O., OEIP, CRYSTAL PARK 3, SUITE 441 WASHINGTON DC 20231

COST FOR DISKETTE IS <u>\$ 25.00</u> METHOD OF PAYMENT:

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For Further Information, Contact: Arti Shah at 703-308-4212